

said board contacts for all of the signal and reference terminals mounted in said housing cavities being generally arrayed solely in four lines parallel to said centerline, said four lines including an inner line and an outer line on each side of said centerline;

wherein two of said board contacts extend from each cavity;

wherein both of said board contacts extending from each cavity are from the same group of terminals, said inner lines include only board contacts of said first group of terminals and said outer lines include only board contacts of said second group of terminals.

7. A card edge connector as claimed in claim 6 wherein said first group of terminals are said reference terminals and said second group of terminals are said signal terminals.

8. A card edge connector as claimed in claim 7 wherein each cavity containing at least one of said signal terminals is adjacent to a cavity containing at least one of said reference terminals.

9. A card edge connector as claimed in claim 8 wherein each cavity containing at least one of said signal terminals is between two cavities containing at least one of said reference terminals.

10. A card edge connector as claimed in claim 6 wherein said terminals are flat, planer stamped plates of metal.

11. A card edge connector as claimed in claim 10 wherein said board contacts are solder tails.

12. A card edge connector as claimed in claim 6 wherein each said signal terminal includes one of said spring arms and one said board contacts and two of said signal terminals are mounted in each cavity with one of said signal terminal on each side of said slot.

13. A card edge connector as claimed in claim 6 wherein each said reference terminal includes two of said spring arms and two of said board contacts and said reference terminals are mounted one to a cavity with said spring arms and board contacts on opposite sides of said slot.

14. A card edge connector comprising:

an elongated insulative housing including an elongated circuit card receiving slot having a longitudinal axis;

a plurality of terminal receiving cavities extending perpendicularly to said slot and extending to both sides of said slot;

a plurality of terminals mounted in said cavities, said terminals including a plurality of identical terminal sets mounted in parallel face-to-face relation in adjacent ones of said terminal receiving cavities;

each of said terminal sets including a reference terminal in one cavity extending to both sides of said slot and a pair of identical signal terminals in said adjacent cavity; said signal terminals being oppositely oriented and being disposed on opposite sides of said slot; and

said reference terminal having a generally planar, plate-like body including a pair of flexible spring arms extending upwardly from said body and a pair of board contacts extending downwardly from said body, the plane of said body being generally perpendicular to said longitudinal axis of said slot.

15. The card edge connector of claim 14 wherein said signal terminals have a generally planar, plate-like body and a single flexible spring arm extending upwardly from said body and a single board contact extending downwardly from said body, said body being generally perpendicular to said longitudinal axis of said slot.

16. A card edge connector for interconnecting a printed circuit board having conductive contact regions and a removable printed circuit card having a mating edge with a plurality of conductive contact pads, said card edge connector comprising:

an elongated housing formed of insulating material and having a mating surface;

an elongated slot in said mating surface of said housing for receiving said mating edge of said circuit card, said slot having an elongated centerline therealong coinciding with the center of said circuit card when mated;

a plurality of transversely extending terminal receiving cavities in said housing, each cavity extending to both sides of said slot; and

a plurality of conductive first and second terminals mounted in said cavities, said first and second terminals being differently configured, said terminals including spring arms with contact portions extending into said slot for contacting said contact pads of said circuit card when inserted therein and board contacts extending from said housing for contacting said contact regions of said circuit board, said contact portions of one of said first and second terminals being closer to said mating surface than said contact portions of the other of said first and second terminals, said first terminals being generally planar;

said board contacts for all of the first and second terminals mounted in said housing cavities being arrayed solely in four lines parallel to said centerline, said four lines including an inner line and an outer line on each side of said centerline;

wherein two of said board contacts extend from each cavity;

wherein said board contacts of said first terminals lie only in said inner lines and said board contacts of said second terminals lie only in said outer lines.

17. A card edge connector as claimed in claim 16 wherein said first terminals are reference terminals and said second terminals are signal terminals.

18. A card edge connector as claimed in claim 17 wherein each cavity containing at least one of said signal terminals is adjacent to a cavity containing at least one of said reference terminals.

19. A card edge connector as claimed in claim 18 wherein each cavity containing at least one of said signal terminals is between two cavities containing at least one of said reference terminals.

20. A card edge connector as claimed in claim 16 wherein said terminals are flat, planar stamped plates of metal.

21. A card edge connector as claimed in claim 20 wherein said board contacts are solder tails.

22. A card edge connector as claimed in claim 16 wherein each said signal terminal includes one of said spring arms and one of said board contacts and two of said signal terminals are mounted in each cavity with one of said signal terminal on each side of said slot.

23. A card edge connector as claimed in claim 16 wherein each said reference terminal includes two of said spring arms and two of said board contacts and said reference terminals are mounted one to a cavity with said spring arms and board contacts on opposite sides of said slot.